IN THE CLAIMS

1. All of the claims are deleted and are replaced with the following claims:

[Claim 1]
It is the sheet transport device which conveys with a roller the band-like sheet which has flexibility,
A tension grant means to add a tension to said sheet in the conveyance direction,
It has the multiple roller which carries out a pressure welding to said sheet, and rotates,
Said multiple roller,
While the periphery section is really fabricated,
The cross-section periphery is formed so that the distance to the center of rotation of a multiple roller may carry out merits-and-demerits change periodically along a hoop direction from one on the periphery,
This cross-section periphery is continuously connected in accordance with the shaft orientations of a multiple roller, and the peripheral face of a multiple roller is formed,
The sheet transport device characterized by things.

[Claim 2]
The periphery configurations of said cross section are the symmetry of revolution in the location where the shaft orientations of said multiple roller differ,
While said periphery configuration is formed in bilateral symmetry to the conveyance center line of said sheet by said shaft orientations,
To the cross-section periphery configuration on the conveyance center line of said sheet, in proportion to the clearance from said conveyance center line, the periphery configuration of each location of said shaft orientations is formed so that the difference in angle of rotation in the symmetry of revolution may become large,
The sheet transport device according to claim 1 characterized by things.

[Claim 3]
The periphery of the cross section of said multiple roller,

It considers as the configuration which comes to form a notch in a perfect circle periodically, and the radii part of a perfect circle and the straight-line part of a notch are arranged by turns along with the periphery,
The sheet transport device according to claim 1 or 2 characterized by things.

[Claim 4]
The periphery of the cross section of said multiple roller,
The straight-line part which the periphery configuration of that cross section is a regular-polygon configuration, and corresponds each side of this regular polygon is periodically arranged along a hoop direction,
The sheet transport device according to claim 1 or 2 characterized by things.

[Claim 5]
It prepares for a sheet transport device given in either of claim 1 to claims 4,
The multiple roller characterized by things.
